

[AIRA]



The Aira Heat Pump Fact Sheet

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A cleaner, more affordable way to heat your home

Introducing the Aira Heat Pump

Heating shouldn't cost the earth. That's why there's the Aira Heat Pump. Intelligent. Affordable. Sustainable. It's everything your clunky boiler isn't. And with our flexible finance options and hassle-free switch, upgrading your home heating has never been easier.

This guide covers everything you need to know about the Aira Heat Pump system, including the outdoor unit, indoor unit, buffer tank, thermostat and app. Plus, how Aira Intelligence works behind the scenes to make your system even more efficient.

Read on to see how all this clean energy-tech comes together to cut your bills, shrink your CO₂ emissions and keep your home cosy. All year round.

The Aira Heat Pump system

The Aira Heat Pump is part of a complete clean energy-tech heating system. One that works seamlessly to keep your energy bills low and your home cosy.

Each system includes an outdoor unit (the Aira Heat Pump), an indoor unit, a buffer tank, a thermostat and an app that gives you effortless control over your heating.

Because every home is different, we offer two tailored solutions to ensure the perfect fit for yours. One features our **all-in-one Indoor Unit**, and the other includes the **Indoor Unit Compact** with a separate hot water cylinder.



AIRA HEAT PUMP SYSTEM (ALL-IN-ONE)

- 6kW Aira Outdoor Unit
- Aira 250L Indoor Unit [all-in-one]
- Aira 40L Buffer Tank
- Aira Thermostat

Outdoor and indoor unit sizes may vary based on your home's heating and hot water needs.



AIRA HEAT PUMP SYSTEM (INDOOR UNIT COMPACT)

- 6kW Aira Outdoor Unit
- Aira Indoor Unit Compact
- 150L Slimline Water Cylinder
- Aira 40L Buffer Tank
- Aira Thermostat

Outdoor and indoor unit sizes may vary based on your home's heating and hot water needs.

Outdoor Unit

Our head-turning, energy-saving outdoor units draw heat from the fresh air and use compression to turn that energy into warmth for your home and hot water. Engineered for performance and built to last, they use the high-efficiency, non-toxic R290 refrigerant. And come backed by our 15-Year Aira Guarantee.

- ✓ High energy efficiency class A+++
- ✓ 15-Year Aira Guarantee
- ✓ Aira's signature Scandi design
- ✓ Low maintenance



6 KW OUTDOOR UNIT

Household size: <150 sq mts
Dimensions [cm]: 121.6 x 100.5 x 42.5 (w/h/d)

8 KW OUTDOOR UNIT

Household size: 150-200 sq mts
Dimensions [cm]: 121.6 x 100.5 x 42.5 (w/h/d)



12 KW OUTDOOR UNIT

Household size: >200 sq mts
Dimensions [cm]: 115.2 x 150.3 x 41.6 (w/h/d)

Indoor Unit

Our Scandi-styled all-in-one indoor units [100L & 250L] store water heated by the outdoor unit and distribute it to your home's taps and showers.

For homes that lack space or need more hot water on demand, there's the Indoor Unit Compact [the clue's in the name]. And this is clever. We've made the hot water cylinder separate. So you can tuck it away in the garage, utility room or loft.

- ✓ High energy efficiency class A+++
- ✓ 15-Year Aira Guarantee
- ✓ Aira's signature Scandi design
- ✓ Low maintenance
- ✓ Aira Intelligence & Intuitive Light Cues



INDOOR UNIT 100L [ALL-IN-ONE]

Dimensions [cm]:
50.0 x 110.0 x 50.0 [w/h/d]

INDOOR UNIT 250L [ALL-IN-ONE]

Dimensions [cm]:
67.0 x 172.0 x 60.0 [w/h/d]

INDOOR UNIT COMPACT [HYDROBOX]

Dimensions [cm]:
40.0 x 72.0 x 25.0 [w/h/d]

Buffer Tank

Your system comes with a buffer tank included. And here's why: it stores hot water for your radiators or underfloor heating, controls flow rates, keeps defrost cycles running smoothly and stops those annoying knocking sounds from happening when water temperatures change. It even improves the durability of your system.

- ✓ 15-Year Aira Guarantee
- ✓ Aira's signature Scandi design
- ✓ Low maintenance



40L BUFFER TANK

Dimensions [cm]: 37.5 x 71.5 (w/h)

100L BUFFER TANK

Dimensions [cm]: 37.5 x 155.5 (w/h)

Hot Water Cylinder

Exclusive to Aira Indoor Unit Compact installations, the hot water cylinder heats, stores and distributes hot water to your taps and showers. It's available in a range of sizes to match your home's thirst for hot water.

✓ 15-Year Aira Guarantee

✓ Low maintenance



150L HOT WATER CYLINDER SLIMLINE

Dimensions [cm]: 44.0 x 170 (w/h)



200L, 250L, 300L HOT WATER CYLINDER

200L Dimensions [cm]: 60 x 127 (w/h)

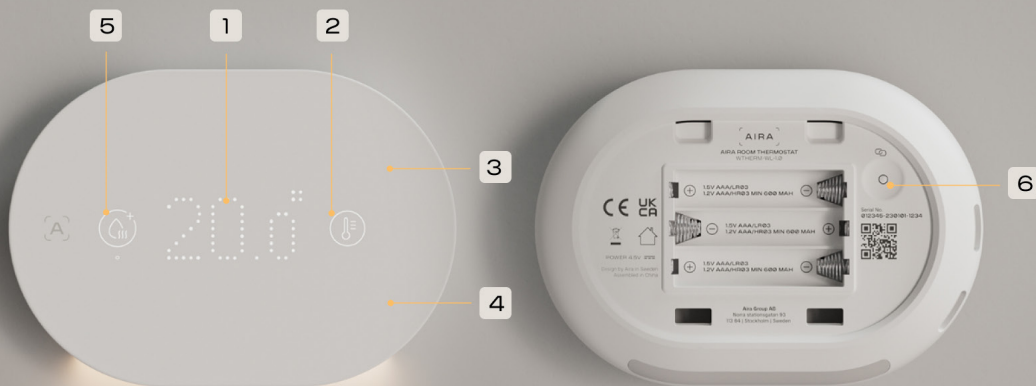
250L Dimensions [cm]: 60 x 154 (w/h)

300L Dimensions [cm]: 60 x 175 (w/h)

Aira Thermostat

Designed to grace any wall, the Aira Thermostat controls your heat pump. See and set the temperature of a specific heating zone. Activate extra hot water. And how's this for smart? It constantly monitors your home's heat and humidity, using that data to help your system reach peak efficiency.

- ✓ Aira's signature Scandi design
- ✓ Low maintenance
- ✓ Aira Intelligence & Intuitive Light Cues
- ✓ Wirelessly connected with **THREAD**
a reliable, secure and energy-saving network system
- ✓ 5 years product warranty



- 1 Temperature display
- 2 Set target temperature
- 3 Increase temperature
- 4 Decrease temperature
- 5 Prepare extra hot water
- 6 Pairing button
to pair with app and indoor unit

AIRA THERMOSTAT

Dimensions [cm]: 12.4 x 8.8 x 2.0 [w/h/d]

Product Specifications

Outdoor Units



	6 KW OUTDOOR UNIT	8 KW OUTDOOR UNIT	12 KW OUTDOOR UNIT	12 KW OUTDOOR UNIT
Energy efficiency (35/55 °C)	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Refrigerant	R290	R290	R290	R290
Power output @ +7/35 °C [Max rps]	9.5 kW	12 kW	16 kW	16 kW
Power output @ -7/35 °C [Max rps]	6 kW	8 kW	12 kW	12 kW
SCOP [Average 35 °C]	4,7	4,7	4,7	4,7
Maximum cooling power @ 35/18 °C	8 kW	10kW	13 kW	13 kW
Max temp outlet	70 °C	70 °C	70 °C	70 °C
Working range, heating	-25 °C – +45 °C	-25 °C – +45 °C	-25 °C – +45 °C	-25 °C – +45 °C
Power supply	230V	230V	230V	400V
Recommended fuse size, A [outdoor unit]	16A	20A	35A	16A
Sound pressure level [EN12102]	46.9 dB[A]	51.3 dB[A]	51.3 dB[A]	51.3 dB[A]
Dimensions [cm] [w/h/d]	121.6 x 100.5 x 42.5	121.6 x 100.5 x 42.5	115.2 x 150.3 x 41.6	115.2 x 150.3 x 41.6



Indoor Units

	INDOOR UNIT 100L	INDOOR UNIT 250L	AIRA INDOOR UNIT COMPACT
Type	All-in-one	All-in-one	Hydrobox
Tank size	100L	250L	–
Tank type	Stainless steel	Stainless steel	–
Insulation	EPS	EPS	–
Max temp tank	75 °C	75 °C	75 °C
Connections	Bottom	Top	Bottom
Wall bracket	Yes	No	Yes
Dimensions [cm] [w/h/d]	50.0 x 110.0 x 50.0	67.0 x 172.0 x 60.0	40.0 x 72.0 x 25.0
Immersion heater	3-9 kW	3-9 kW	3-9 kW

*Average noise level of an Aira Heat Pump Outdoor Unit, measured from a distance of 3 metres. Actual noise levels may vary.

Product Specifications

Buffer Tanks



BUFFER TANK 40L

BUFFER TANK 100L

Type	Buffer tank	Buffer tank
Tank size	40L	100L
Tank type	Stainless steel	Stainless steel
Insulation	Polyurethan	Polyurethan
Max temp tank	95 °C	95 °C
Connections	Side	Top
Wall bracket	Yes	Yes
Dimensions [cm] (w/h/d)	37.5 x 71.5	37.5 x 155.5

Hot Water Cylinders



**HOT WATER CYLINDER
SLIMLINE 150L**

**HOT WATER CYLINDER
200L+**

Type	Hot water cylinder	Hot water cylinder
Tank size	150L	200L, 250L, 300L
Tank type	Stainless steel	Stainless steel
Insulation	Polyurethan	Polyurethan
Max temp tank	85 °C	85 °C
Connections	G 3/4" female	G 3/4" female
Wall bracket	No	No
Dimensions [cm] (w/h/d)	44 x 170	[200L] 60x127 [250L] 60x154, [300L] 60x175

15-Year Aira Guarantee

Part of the all-inclusive plan, the 15-Year Aira Guarantee promises three things: complete temperature comfort, optimal heat pump performance and at least 4X more heating efficiency than a boiler. If not, we'll come and fix it.

It means you'll always enjoy a cosy indoor temperature between 18°C-22°C, even on the coldest day of the year. Plus, everything needed to keep your system running smoothly – parts, labour, callouts – is fully covered for 15 years. No hunting for plumbers and engineers. No sneaky surprises. Just complete peace of mind.*



*The 15-Year Aira Guarantee is free for the first year as part of your all-inclusive plan. After the first year, cover costs £19.90 per month.

Aira Intelligence

Your Aira Heat Pump system is way smarter than a boiler. It intuitively learns and adapts to its surroundings to become even more efficient over time. Keeping your home cosy and your water warm, all while shrinking your energy costs.

It learns the rhythm of your home. Everything from when you shower to how fast your rooms heat up. It reads the weather ahead of time and proactively adjusts your home's heating. It even looks after itself, fine-tuning components, settings and software to keep everything running smoothly.



INTELLIGENT TEMPERATURE CONTROL

So many factors can affect your indoor temperature. The weather. Your home's insulation. How many people are home – and what you're all doing. Your system reacts to any changes in conditions, adjusting itself to maintain your perfect indoor climate in the most efficient way possible.



INTELLIGENT HOT WATER CONTROL

Every home has a routine. And, over time, your system learns these to heat and store the hot water you need. Not too much. Not too little. Just the right amount.



PREPARE EXTRA HOT WATER

Your Aira Heat Pump learns how much hot water you normally need and prepares the just-right amount for you. For those times when you need more than usual, you can temporarily prepare extra at the click of a button. Afterwards, your system returns to making your normal amount.



AWAY MODE

Why heat a house that's standing empty for 3 days or more? Away Mode lowers your indoor temperature and pauses your hot water while you're away. Then brings everything back to normal to welcome you home.



SMART WEATHER MODE

Cold front coming? Unseasonably warm days ahead? You may not follow the forecast, but your Aira Heat Pump system does. It sees temperature shifts ahead of time and proactively adjusts your home's heating accordingly.

Aira Home Energy App

Your intelligent Aira Heat Pump takes very good care of itself. But you always have control with the Aira Home Energy app. Anywhere, anytime.



CONTROL YOUR PERFECT INDOOR TEMPERATURE

Ever want to adjust your indoor temperature? Go ahead and change it at the touch of a button.



CHECK YOUR SYSTEM'S EFFICIENCY

Track how effectively your heat pump converts electricity into heating. See how weather affects efficiency. Compare performance month by month. And understand the numbers behind it all.



SEE YOUR SAVINGS

Need reminding why you switched to a heat pump? Your app shows an estimate of your monthly cost and CO₂ savings compared to your old gas boiler.



MANAGE YOUR HOT WATER

See your remaining hot water in minutes, not litres. Need more? Just change the default tank temperature in your settings.



PREPARE EXTRA HOT WATER

Got guests coming? Temporarily prepare additional hot water when you need more than usual.



TURN ON AWAY MODE

Heading off for a long weekend? Let your system know, it'll dial down the heat and pause your hot water. And have everything cosy again for your return.



For any questions,
please reach out to our
customer service team

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